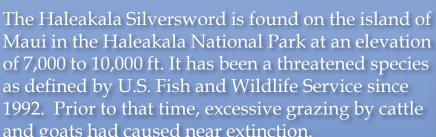
## Assessing Remote Boundary Fences and Invasive Plants and Animals in Haleakala National Park, Hawaii

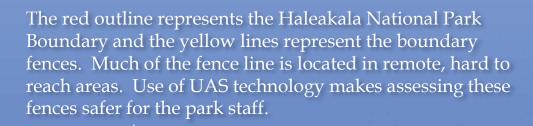
May 21-25, 2012



Haleakala National Park is comprised of 30,183 acres of public land that range from sea level to 10,023 feet. The Haleakala Resource Management Division is responsible for the preservation, maintenance, and restoration of the Park's natural, cultural, and historic resources. A major aspect of this is maintaining 65 miles of fence to exclude pigs, axis deer, predatory mammals, and invertebrate threats to the resources.



Maui in the Haleakala National Park at an elevation of 7,000 to 10,000 ft. It has been a threatened species as defined by U.S. Fish and Wildlife Service since 1992. Prior to that time, excessive grazing by cattle and goats had caused near extinction.





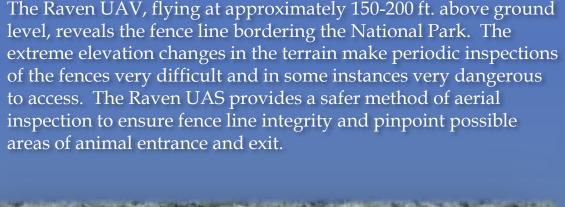
The Raven A UAV weighs 4.45 pounds, is effective to operate.

extremely quiet, easily transported, and very cost



Left: USGS UAS Operator hand launching the

Raven A.





The Raven A UAV can also provide a means for inspecting and identifying vegetation health. In some areas the Raven may also provide a method of identifying invasive vegetation species. The acquired video imagery can be archived and compared over time to better recognize effective vegetation management methods.





